

Title (en)

STRAIGHTENING MACHINE FOR PLATE AND STRIPS

Publication

EP 0274722 A3 19891220 (DE)

Application

EP 87118938 A 19871221

Priority

DE 3700555 A 19870110

Abstract (en)

[origin: US4811586A] A leveling machine for steel sheet and strip includes changing cartridges between sets of leveler rolls including support rollers and adjustable crossheads. Each changing cartridge includes three cartridge portions which are connected to each other by means of two intermediate joints. The middle cartridge portion is supported on the corresponding crossheads by means of two spaced-apart rigid supports, so that only the outer cartridge portions can be limited in their pivoting positions by means of adjusting wedges or the like and, for compensating sagging of the crossheads, the leveler rolls must only be subjected to a prebending force in the regions away from the middle cartridge portion.

IPC 1-7

B21D 1/02

IPC 8 full level

B21D 1/02 (2006.01); **B21D 1/05** (2006.01)

CPC (source: EP US)

B21D 1/02 (2013.01 - EP US)

Citation (search report)

- [A] EP 0005760 A1 19791212 - SCHLOEMANN SIEMAG AG [DE]
- [A] DE 2747331 A1 19790426 - SCHLOEMANN SIEMAG AG
- [A] DE 3337957 A1 19850502 - SCHLOEMANN SIEMAG AG [DE]
- [A] DE 1809638 A1 19690717 - DAVY & UNITED ENG CO LTD
- [A] EP 0035009 A1 19810902 - VOEST ALPINE AG [AT]
- [A] US 2945530 A 19600719 - MAUST FREDERICK K
- [A] US 3301031 A 19670131 - BEARER GERALD L
- [A] US 2491782 A 19491220 - TALBOT HOWARD H
- [A] DE 631997 C 19360701 - SACK GMBH MASCHF
- [A] GB 326033 A 19300306 - UNGERER FRITZ
- [A] US 2219163 A 19401022 - MAUSSNEST FRIEDRICH K
- [A] US 4454738 A 19840619 - BUTA JOHN R [US]
- [A] GB 432258 A 19350723 - FRIEDRICH KARL MAEUSSNEST

Cited by

FR2732912A1; CN103551437A; EP0615797A1; EP0570770A1; FR2732913A1; FR2718661A1; US5680785A; WO9632212A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0274722 A2 19880720; EP 0274722 A3 19891220; EP 0274722 B1 19910925; AT E67696 T1 19911015; DE 3700555 A1 19880721; DE 3773360 D1 19911031; ES 2025131 B3 19920316; JP S63180324 A 19880725; US 4811586 A 19890314

DOCDB simple family (application)

EP 87118938 A 19871221; AT 87118938 T 19871221; DE 3700555 A 19870110; DE 3773360 T 19871221; ES 87118938 T 19871221; JP 79788 A 19880107; US 14250388 A 19880111